Date:

Monday, 1/8/2007 11:08:46 AM

User:

Kim Johnston

#### **Process Sheet**

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**  : 30199 >

: 10058

P.O. Number

: N/A

This Issue Prsht Rev. : 1/8/2007

First Issue **Previous Run**  NA

: 29607

Type

S.O. No. : N/A

: PURCHASED PARTS

Part Number **Drawing Number** 

**Drawing Name** 

: D2622120C

: STEP EXTRUSION

D2622 REV C1

Project Number **Drawing Revision**  : N/A

Material

**Due Date** 

: 2/15/2007

Qty:

110 Um:

Each

Written By

Checked & Approved By

Comment

: Est.

New Issue

KJ/RF

**Additional Product** 

Job Number:



Seq. #:

**Machine Or Operation:** 

**Description:** 

CL07/01/09

1.0



PURCHASING



Comment: PURCHASING

Issue P/O: 2832

a) Extrude as per Dwg D2622 Rev. C

b) Material: 6061-T6 (QQ-A-200/8)

c) Minimum yield tensile strength = 35 ksi

d) Minimum ultimate tensile strength = 38 ksi

e) Minimum elongation = 8%

f) Order at 120" longg) Bon L Canada Inc. tool # 897123 Rev. A

h) To be packed per DSK 066

i) Pull test to ASTM standard B221 required.

i) Material certification is required

2.0

D2622120CP

Extrusion









1.0000 Each(s)/Unit Total: 110.0000 Each(s)



PACKAGING 1 3.0

PACKAGING RESOURCE #1







Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

4.0

QC6





Comment: DIMENSIONAL CHECK

Inspect dimension per Dwg D2622

Check Pull test per Dwg D2622 for compliance page attached

Check hardness with Webster tester



## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
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Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: 07/03/2
			QA: N/C Closed:	Date:

NCR:			WORK OR	DER NON-CONFORMANC	E (NCR)		i	
DATE STEP		Description of NC		Corrective Action Section B	Verification	Annaoval	Ammental	
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NOTE: Date & initial all entries

Date: Monday, 1/8/2007 11:08:46 AM User: Kim Johnston **Process Sheet Drawing Name: STEP EXTRUSION** Customer: CU-DAR001 Dart Helicopters Services Part Number: D2622120C Job Number: 30199 Job Number: Seq. #: Description: **Machine Or Operation:** PACKAGING RESOURCE #1 5.0 PACKAGING 1 Comment: PACKAGING RESOURCE #1 07-03-28 Identify and Stock Location: FINAL INSPECTION/W/O RELEASE 6.0 QC21 07/03 Comment: FINAL INSPECTION/W/O RELEASE Job Completion U A103.29

### **Dart Aerospace Ltd**

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W/O:			WORK ORDER	CHANGES			1	
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DATE	STEP	Section A	Initial Action Description Sign & Chief Eng Chief Eng Date		Section C	Chief Eng	Approva QC Inspecto	
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NOTE: Date & initial all entries





DESIG	KE	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED	APPROVED	DRAWING NO. REV. C
	#	9	D2622 SHEET 1 OF 1
DATE	<del>* • • • • • • • • • • • • • • • • • • •</del>		TITLE SCALE
02.0	09.11		STEP EXTRUSION 1:1
Α		96.11.29	NEW ISSUE
В		97.12.12	CHANGE MATERIAL, ADD TOL. QSI
С		02.09.11	0.080 WAS 0.085; ADD PART & DIE No.
CI	# 1	02.10.04	ADD 'REV. A' TO DIE NUMBER.

DELEASE )

	CI 19 (1/2 07.10.0)	4 AND REV. A TO DE NUI
-	3.000	
		R0.285
0.958		0.080
1		
2.500		
\\	1	R2.085
60.4* (REF)		0.248 (REF)
	<u>Q</u> 1.193 —	R0.585
-	_ 1.874 (REF)	

#### D2622-XXX STEP EXTRUSION

- 1) PART NUMBER IS D2622-XXX WHERE 'XXX' IS CUT LENGTH IN INCHES (EG. D2622-120 IS 120" LONG)
- 2) MATERIAL 6061-T6 (QQ-A-200/8)
- 3) MANUFACTURED USING BON-L DIE # 897123 REV. A 6
- 4) A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE MINIMUM MECHANICAL PROPERTIES STATED BELOW:

MINIMUM TENSILE YIELD STRENGTH = 35 ksi MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi MINIMUM ELONGATION = 8% SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COP
SUBJECT TO AMENDMEN
WITHOUT NOTICE

5) PART IS SYMMETRIC ABOUT CENTERLINE

6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

7) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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#### **BON L CANADA INC**

500 EDWARD AVENUE RICHMOND HILL, ON L4C 4Y9

# CERTIFICATE OF COMPLIANCE

	Cert State	Cart No	Sales Order	Page
	02/21/07	155352	54403	1
	Cust PC)	B/L No		Date
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Sold To 460

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

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DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

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ess Weight 996 LBS	 ( D2622		O" Mill 6061 T6)	DAA-897123-1 120	1.000 DA
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This will certify that the material described herein has been inspected and tested in accordance with Bon L Canada's standard sampling and testing procedures or in accordance with the requirements of any specifications forming a part of the material description to the extent indicated herein. Datâ of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

.84

D. VanBakel, QA Manager Signed for Bon L Canada

M/2/28

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